CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/519,135 CRF Edit Date: 1/10/05
Edited by: AC

___ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

___ Corrected the SEQ ID NO. Sequence numbers edited were:

_____

___ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

_____

1 Deleted: 1 invalid beginning/end-of-file text ; ___ page numbers

___ Inserted mandatory headings/numeric identifiers, specifically:

_____

___ Moved responses to same line as heading/numeric identifier, specifically:

_____

___ Other:

_____

_____

_____

Revised 09/09/2003

PCT

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/519,135

DATE: 01/10/2005
TIME: 16:26:44

Input Set : A:\PTO.FG.txt
Output Set: N:\CRF4\01102005\J519135.raw

3 <110> APPLICANT: The Australian National University
5 <120> TITLE OF INVENTION: METHOD OF PRODUCING PLANTS HAVING ENHANCED TRANSPIRATION EFFICIENCY AND
6 PLANTS PRODUCED THEREFROM
8 <130> FILE REFERENCE: 94948/MRO
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/519,135
C--> 10 <141> CURRENT FILING DATE: 2004-12-22
10 <150> PRIOR APPLICATION NUMBER: AU PS3339
11 <151> PRIOR FILING DATE: 2002-07-02
13 <160> NUMBER OF SEQ ID NOS: 45
15 <170> SOFTWARE: PatentIn version 3.1

Does Not Comply
Corrected Diskette Needed

ERRORED SEQUENCES

2813 <210> SEQ ID NO: 45
2814 <211> LENGTH: 675
2815 <212> TYPE: PRT
2816 <213> ORGANISM: maize ERECTA
p.3
2818 <400> SEQUENCE: 45

```
2820 Met Gln Val Asn Arg Leu Thr Gly Ser Ile Pro Pro Glu Leu Gly Asn
2821 1               5                  10                  15
2824 Met Ser Thr Leu His Tyr Leu Glu Leu Asn Asp Asn Gln Leu Thr Gly
2825             20                  25                  30
2828 Ser Ile Pro Pro Glu Leu Gly Arg Leu Thr Gly Leu Phe Asp Leu Asn
2829         35                  40                  45
2832 Leu Ala Asn Asn His Leu Glu Gly Pro Ile Pro Asp Asn Leu Ser Ser
2833     50                  55                  60
2836 Cys Val Asn Leu Asn Ser Phe Asn Ala Tyr Gly Asn Lys Leu Asn Gly
2837 65                  70                  75                  80
2840 Thr Ile Pro Arg Ser Leu Arg Lys Leu Glu Ser Met Thr Tyr Leu Asn
2841                 85                  90                  95
2844 Leu Ser Ser Asn Phe Ile Ser Gly Ser Ile Pro Ile Glu Leu Ser Arg
2845             100                 105                 110
2848 Ile Asn Asn Leu Asp Thr Leu Asp Leu Ser Cys Asn Met Met Thr Gly
2849         115                 120                 125
2852 Pro Ile Pro Ser Ser Ile Gly Asn Leu Glu His Leu Leu Arg Leu Asn
2853     130                 135                 140
2856 Leu Ser Lys Asn Asp Leu Val Gly Phe Ile Pro Ala Glu Phe Gly Asn
2857 145                 150                 155                 160
2860 Leu Arg Ser Val Met Glu Ile Asp Leu Ser Tyr Asn His Leu Gly Gly
2861                 165                 170                 175
2864 Leu Ile Pro Gln Glu Leu Gly Met Leu Gln Asn Leu Met Leu Leu Lys
2865             180                 185                 190
```

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```
2868 Leu Glu Asn Asn Asn Ile Thr Gly Asp Val Ser Ser Leu Met Asn Cys
2869 -- --- 195                 200                 -- 205
2872 Phe Ser Leu Asn Ile Leu Asn Val Ser Tyr Asn Asn Leu Ala Gly Ala
2873     210                 215                 220
2876 Val Pro Thr Asp Asn Asn Phe Thr Arg Phe Ser His Asp Ser Phe Leu
2877 225                 230                 235                 240
2880 Gly Asn Pro Gly Leu Cys Gly Tyr Trp Leu Gly Ser Ser Cys Arg Ser
2881                 245                 250                 255
2884 Thr Gly His Arg Asp Lys Pro Pro Ile Ser Lys Ala Ala Ile Ile Gly
2885             260                 265                 270
2888 Val Ala Val Gly Gly Leu Val Ile Leu Leu Met Ile Leu Val Ala Val
2889         275                 280                 285
2892 Cys Arg Pro His His Pro Pro Ala Phe Lys Asp Ala Thr Val Ser Lys
2893     290                 295                 300
2896 Pro Val Ser Asn Gly Pro Pro Lys Leu Val Ile Leu His Met Asn Met
2897 305                 310                 315                 320
2900 Ala Leu His Val Phe Asp Asp Ile Met Arg Met Thr Glu Asn Leu Ser
2901                 325                 330                 335
2904 Glu Lys Tyr Ile Ile Gly Tyr Gly Ala Ser Ser Thr Val Tyr Lys Cys
2905             340                 345                 350
2908 Val Leu Lys Asn Cys Lys Pro Val Ala Ile Lys Lys Leu Tyr Ala His
2909         355                 360                 365
2912 Tyr Leu Gln Ser Leu Lys Glu Phe Glu Thr Glu Leu Glu Thr Val Gly
2913     370                 375                 380
2916 Ser Ile Lys His Arg Asn Leu Val Ser Leu Gln Gly Tyr Ser Leu Ser
2917 385                 390                 395                 400
2920 Pro Val Gly Asn Leu Leu Phe Tyr Ala Tyr Met Glu Ser Gly Ser Leu
2921                 405                 410                 415
2924 Trp Asp Val Leu His Glu Gly Ser Ser Lys Lys Asn Lys Leu Asp Trp
2925             420                 425                 430
2928 Val Thr Arg Leu Arg Ile Ala Leu Gly Ala Ala Gln Gly Leu Ala Tyr
2929         435                 440                 445
2932 Leu His His Asp Cys Ser Pro Arg Ile Ile His Arg Asp Val Lys Ser
2933     450                 455                 460
2936 Lys Asn Ile Leu Leu Asp Lys Asp Tyr Glu Ala His Leu Thr Asp Phe
2937 465                 470                 475                 480
2940 Gly Ile Ala Lys Ser Leu Cys Val Ser Lys Thr His Thr Ser Thr Tyr
2941                 485                 490                 495
2944 Val Met Gly Thr Ile Gly Tyr Ile Asp Pro Glu Tyr Ala Arg Thr Ser
2945             500                 505                 510
2948 Arg Leu Asn Glu Lys Ser Asp Val Tyr Ser Tyr Gly Ile Val Leu Leu
2949         515                 520                 525
2952 Glu Leu Leu Thr Gly Lys Lys Pro Val Asp Asn Glu Cys Asn Leu His
2953     530                 535                 540
2956 His Leu Ile Leu Ser Lys Thr Ala Ser Asn Glu Val Met Glu Thr Val
2957 545                 550                 555                 560
2960 Asp Pro Asp Val Gly Asp Thr Cys Lys Asp Leu Gly Glu Val Lys Lys
2961                 565                 570                 575
2964 Leu Phe Gln Leu Ala Leu Leu Cys Thr Lys Arg Gln Pro Ser Asp Arg
```

RAW SEQUENCE LISTING DATE: 01/10/2005
PATENT APPLICATION: US/10/519,135 TIME: 16:26:44

Input Set : A:\PTO.FG.txt
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```
2965                580                 585                 590
2968 Pro Thr Met His Glu Val Val Arg Val Leu Asp Cys Leu Val Asn Pro
2969          595                 600                 605
2972 Glu Pro Pro Pro Gln Pro Gln Gln Gln Gln Lys Ala His Ala His
2973      610                 615                 620
2976 His Gln Leu Pro Pro Gln Pro Ser Pro Pro Ala Tyr Val Asp Glu Tyr
2977 625                 630                 635                 640
2980 Val Ser Leu Arg Gly Thr Gly Ala Leu Ser Cys Ala Asn Ser Ser Ser
2981                645                 650                 655
2984 Thr Ser Asp Ala Glu Leu Phe Leu Lys Phe Gly Glu Ala Ile Ser Gln
2985                660                 665                 670
2988 Asn Met Val
2989      675
E--> 2995 1
```

VERIFICATION SUMMARY DATE: 01/10/2005
PATENT APPLICATION: US/10/519,135 TIME: 16:26:45

Input Set : A:\PTO.FG.txt
Output Set: N:\CRF4\01102005\J519135.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:1851 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:60
L:2251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:480
L:2586 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:120
L:2995 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:45